

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
 Data File : BF096887.D
 Acq On : 19 Jul 2017 23:16
 Operator : SJ/JU
 Sample : I4276-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-COMP-(0-8)

Manual Integrations
 APPROVED

Sohil
 7/20/2017 5:09:19 PM

Quant Time: Jul 20 16:27:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	103755	20.00	ng	-0.01
21) Naphthalene-d8	7.87	136	458336	20.00	ng	-0.02
38) Acenaphthene-d10	9.62	164	178892	20.00	ng	-0.02
63) Phenanthrene-d10	11.10	188	263690	20.00	ng	0.00
75) Chrysene-d12	13.73	240	179278	20.00	ng	0.00
86) Perylene-d12	15.10	264	139200	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	803471	116.44	ng	0.00
7) Phenol-d6	6.25	99	938425	113.33	ng	0.00
23) Nitrobenzene-d5	7.16	82	513515	69.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.40	330	138789	90.89	ng	-0.02
44) 2-Fluorobiphenyl	8.95	172	739518	65.31	ng	-0.01
78) Terphenyl-d14	12.68	244	371023	35.89	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.26	94	38325	4.094	ng	90
49) Dimethylphthalate	9.35	163	165469	12.284	ng	98
70) Phenanthrene	11.12	178	596084	41.575	ng	99
71) Anthracene	11.17	178	113216	7.810	ng	98
74) Fluoranthene	12.31	202	728883	53.111	ng	99
77) Pyrene	12.53	202	599598	36.852	ng	99
80) Benzo(a)anthracene	13.72	228	315138	28.212	ng	98
82) Chrysene	13.75	228	261921	23.818	ng	98
85) Indeno(1,2,3-cd)pyrene	16.37	276	92061	11.935	ng	93
87) Benzo(b)fluoranthene	14.72	252	277183m	33.016	ng	
88) Benzo(k)fluoranthene	14.74	252	74292m	9.345	ng	
89) Benzo(a)pyrene	15.04	252	161129	20.926	ng	100
90) Dibenzo(a,h)anthracene	16.38	278	25259m	3.565	ng	
91) Benzo(g,h,i)perylene	16.76	276	82035	10.812	ng	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

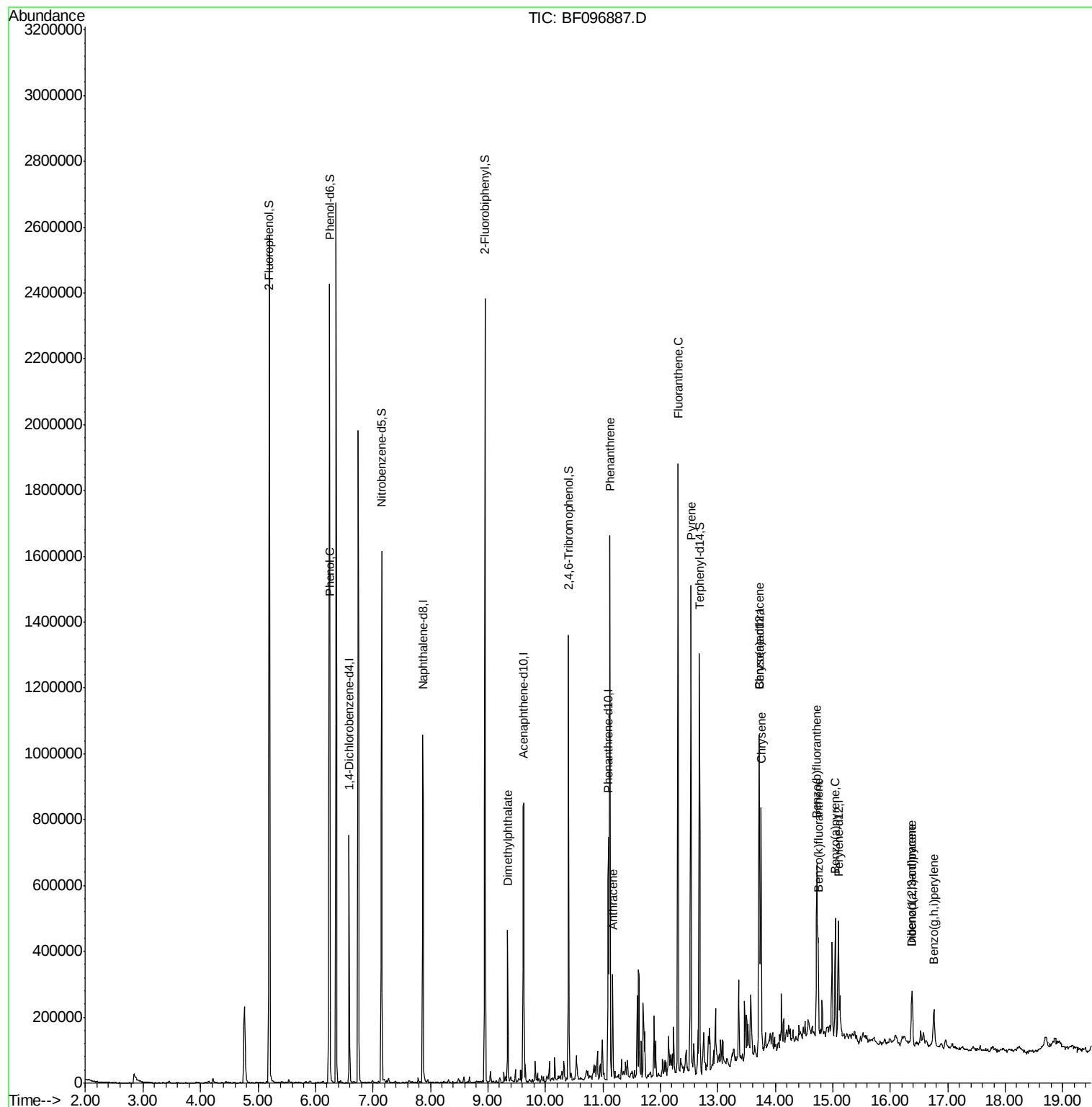
Data Path : Z:\HPCHEM1\BNA F\DATA\BF071917\
Data File : BF096887.D
Acq On : 19 Jul 2017 23:16
Operator : SJ/JU
Sample : I4276-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

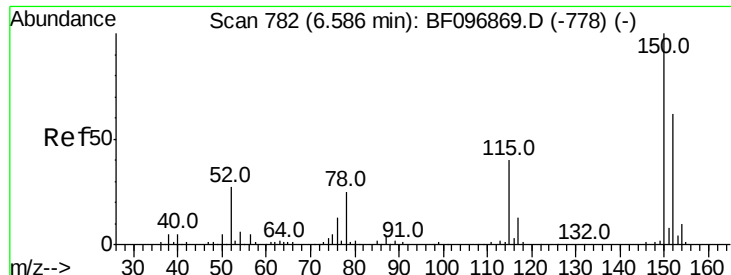
Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Manual Integrations
APPROVED

Sohil
7/20/2017 5:09:19 PM

Quant Time: Jul 20 16:27:17 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration





#1

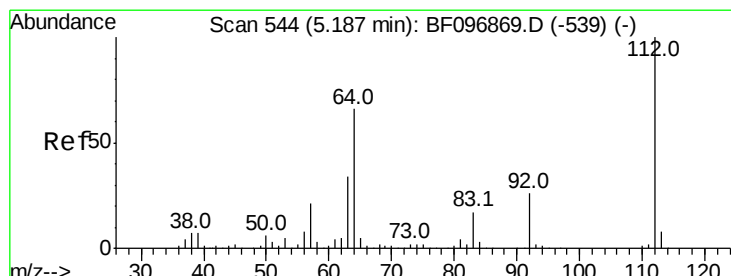
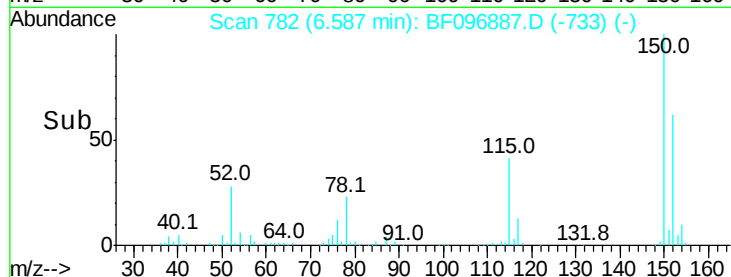
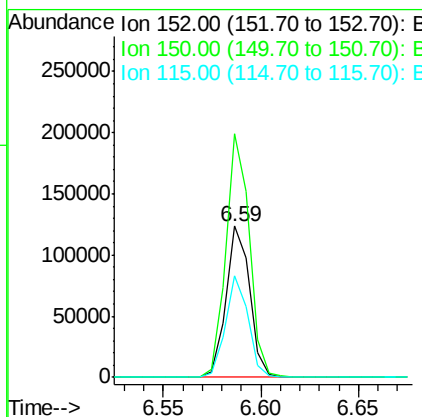
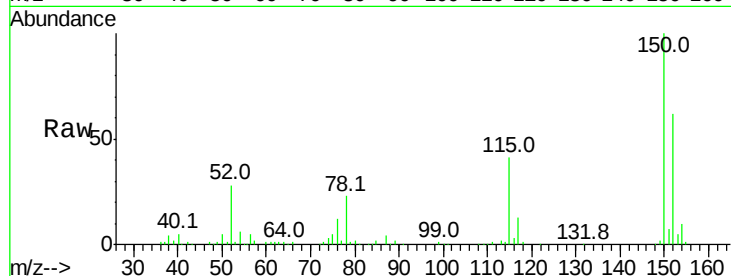
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.2	189.2
115	66.7	52.2	78.2

Manual Integrations
APPROVED

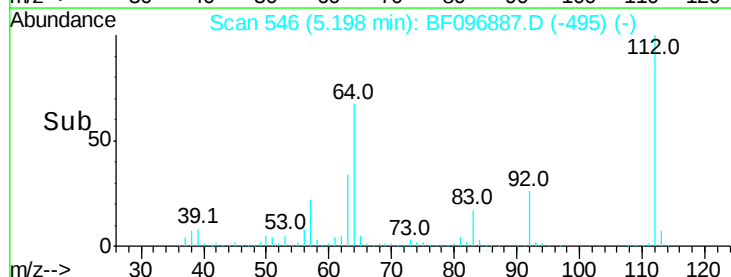
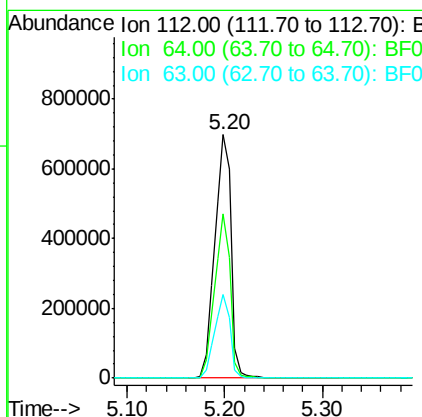
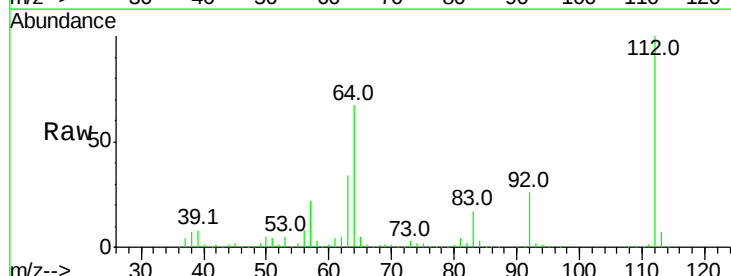
Sohil
7/20/2017 5:09:19 PM

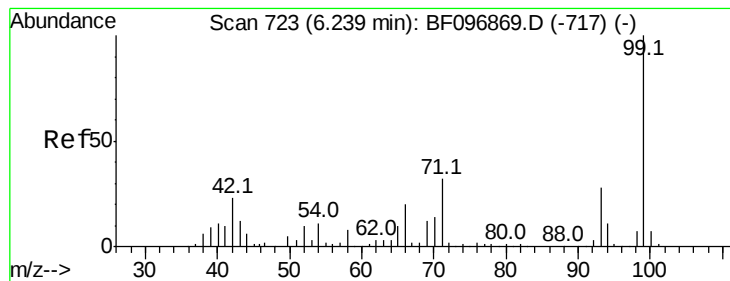


#5

2-Fluorophenol
Concen: 116.436 ng
RT: 5.20 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	46.0	69.0
63	34.1	23.4	35.0





#7

Phenol-d6

Concen: 113.325 ng

RT: 6.25 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Instrument :

BNA_F

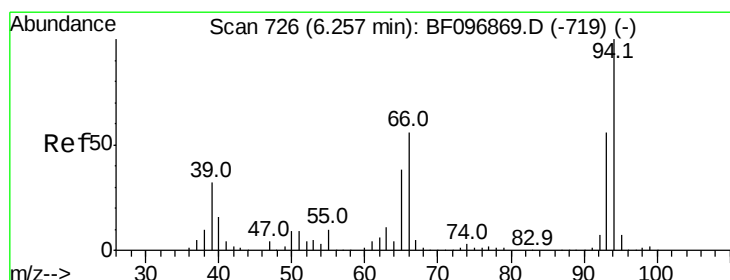
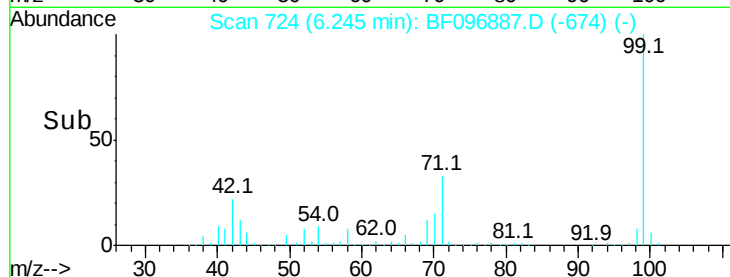
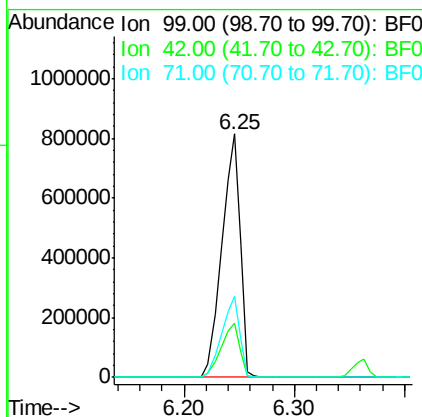
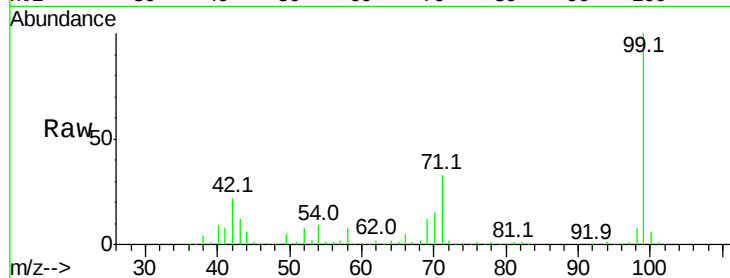
ClientSampleId :

TP-6-COMP-(0-8)

Tot Ion:	99	Resp:	938425
Ion Ratio	Lower	Upper	
99	100		
42	22.4	13.5	20.3#
71	33.2	24.5	36.7

Manual Integrations
APPROVED

Sohil
7/20/2017 5:09:19 PM



#10

Phenol

Concen: 4.094 ng

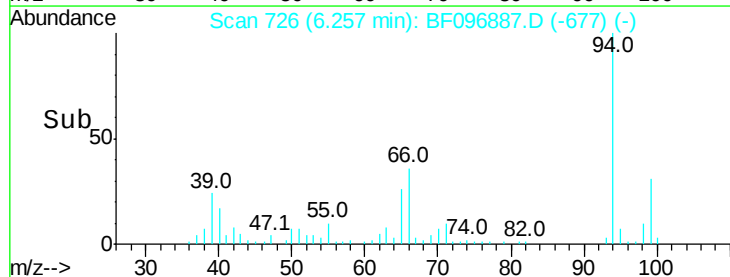
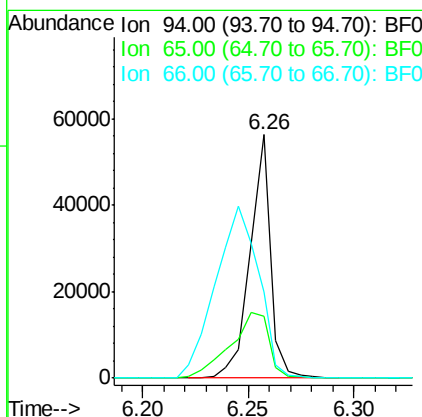
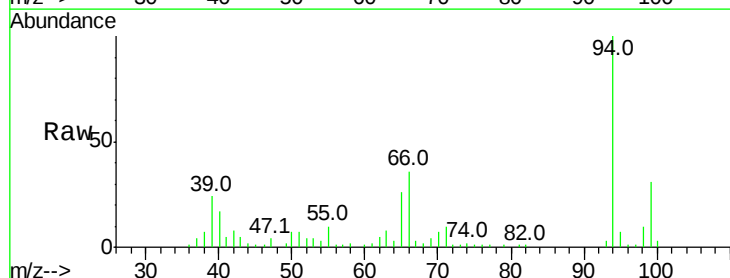
RT: 6.26 min Scan# 726

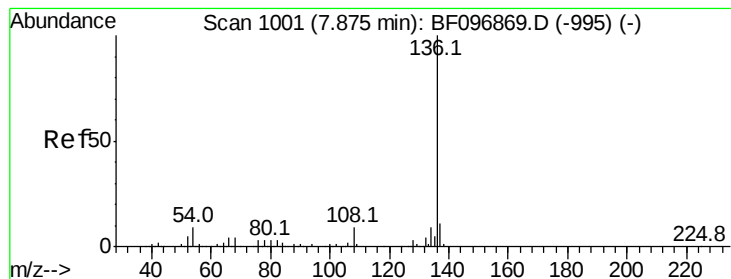
Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Tgt Ion:	94	Resp:	38325
Ion Ratio	Lower	Upper	
94	100		
65	25.5	9.9	49.9
66	35.6	23.1	63.1





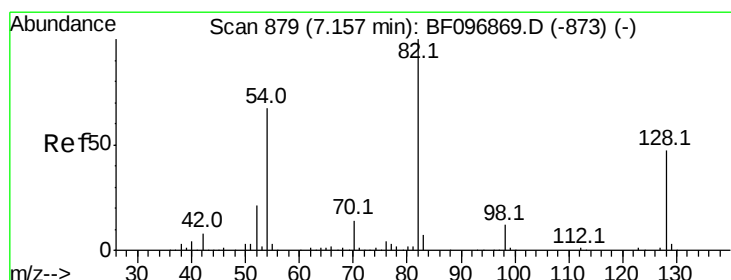
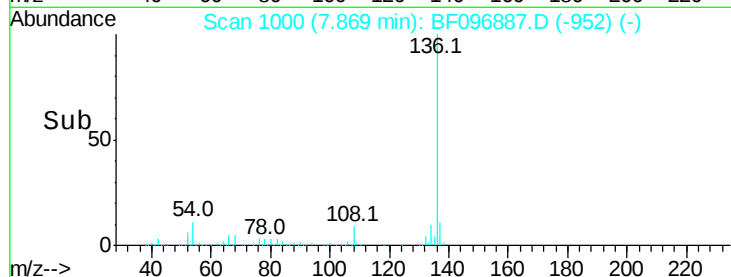
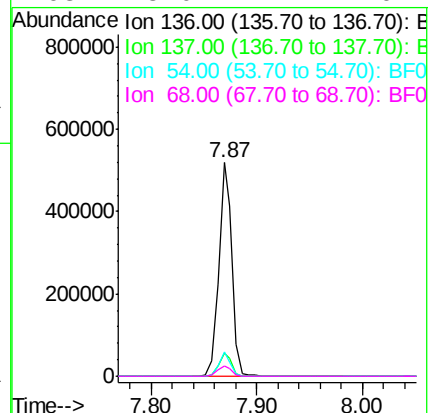
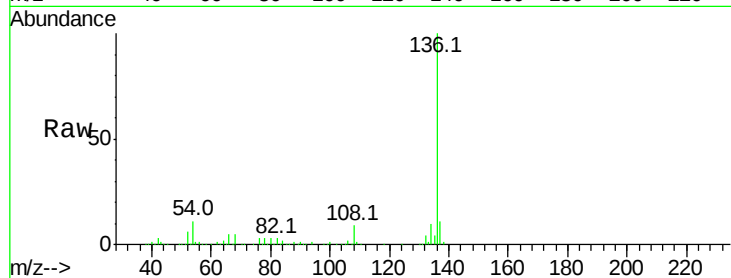
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.87 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	11.2	4.9	7.3	
68	5.0	4.1	6.1	

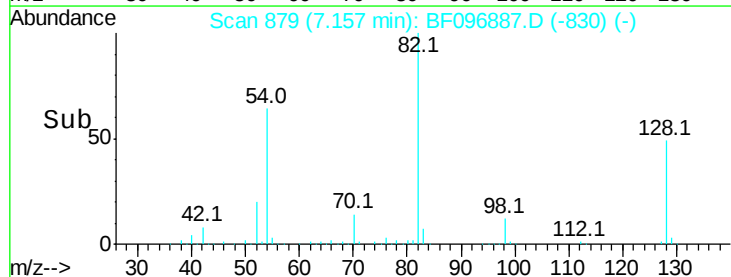
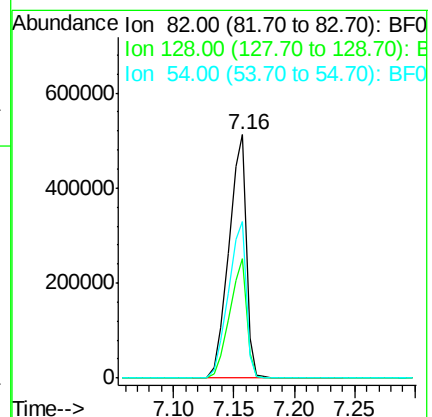
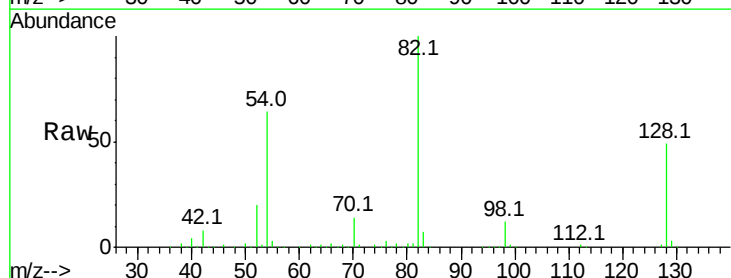
Manual Integrations
APPROVED

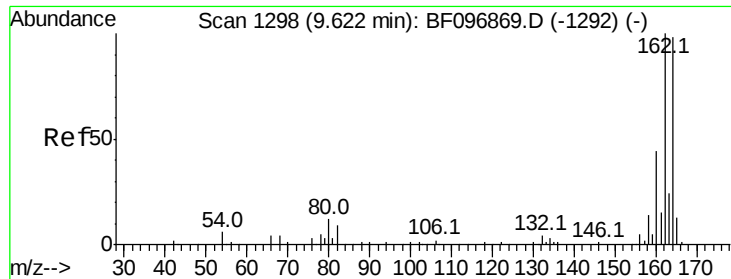
Sohil
7/20/2017 5:09:19 PM



#23
Nitrobenzene-d5
Concen: 69.398 ng
RT: 7.16 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.9	34.0	51.0	
54	64.4	42.2	63.2	





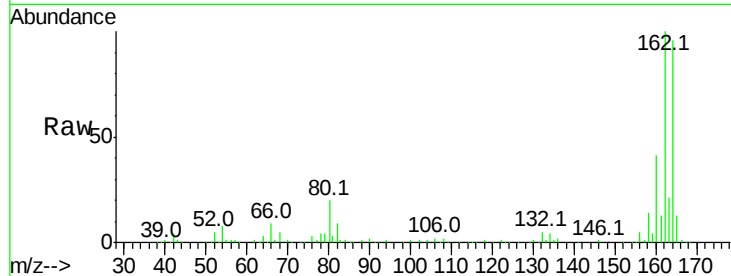
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.62 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-COMP-(0-8)

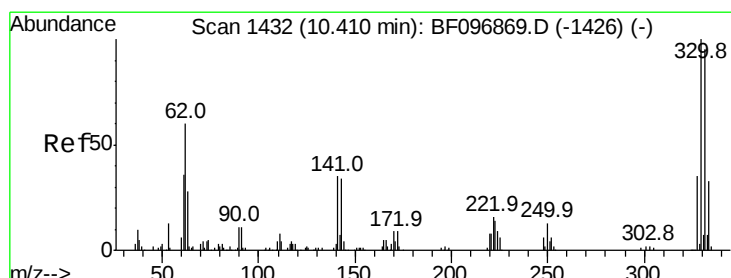
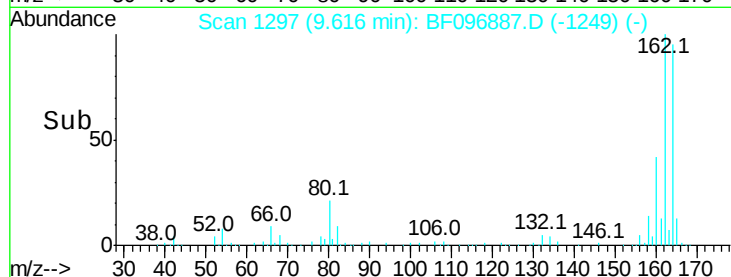
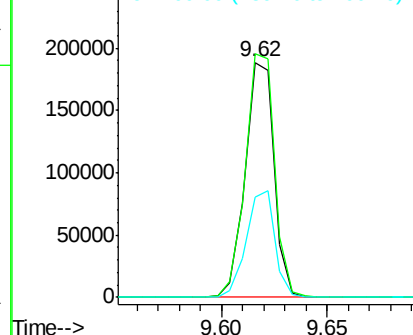
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	42.9	36.2	54.2

Manual Integrations
 APPROVED

Sohil
 7/20/2017 5:09:19 PM



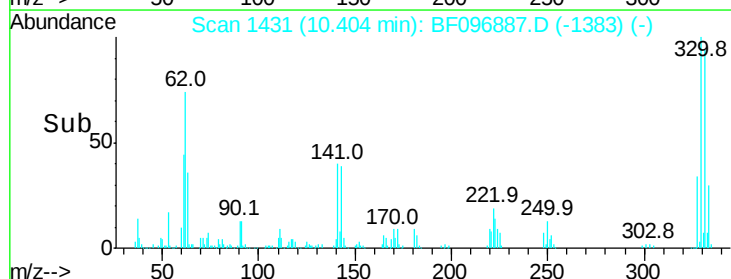
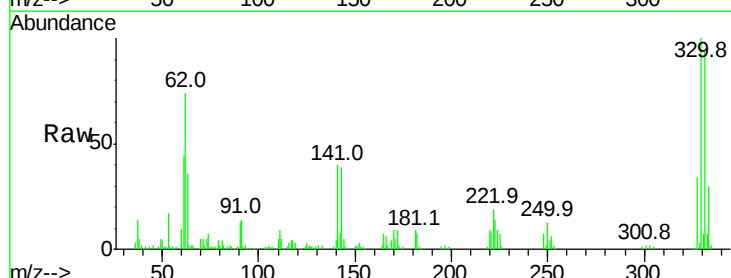
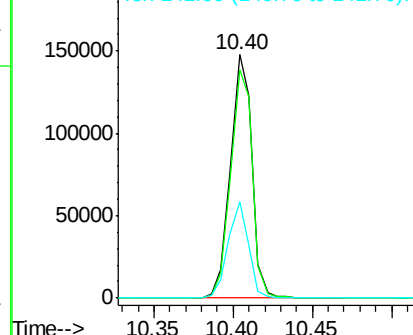
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

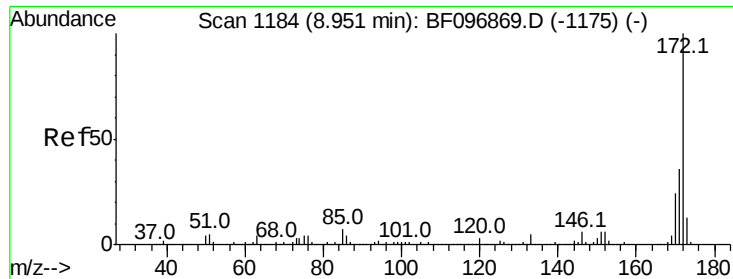


#41
 2,4,6-Tribromophenol
 Concen: 90.890 ng
 RT: 10.40 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.6	115.0
141	38.6	31.4	47.2

Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E





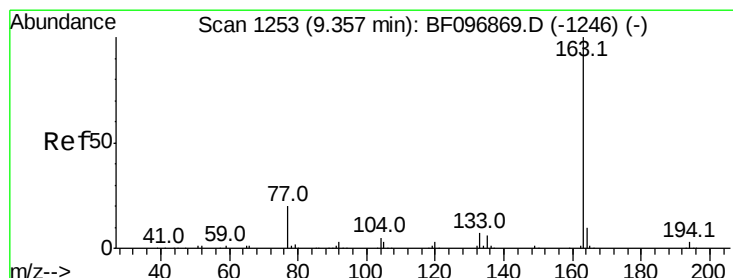
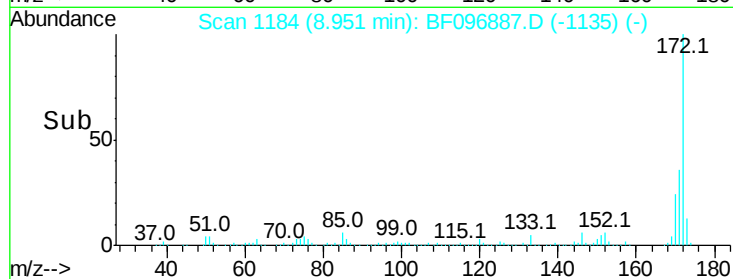
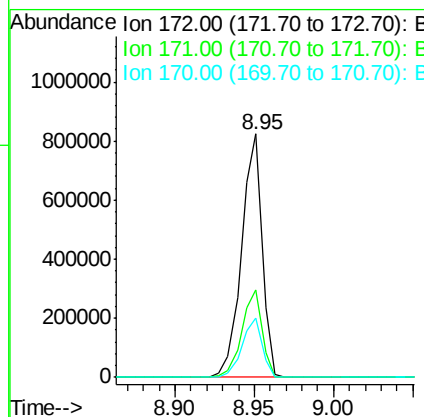
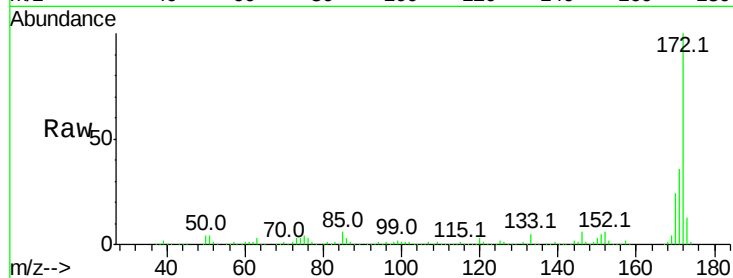
#44
2-Fluorobiphenyl
Concen: 65.312 ng
RT: 8.95 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Tot Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	36.0	29.6	44.4
170	24.2	19.8	29.8

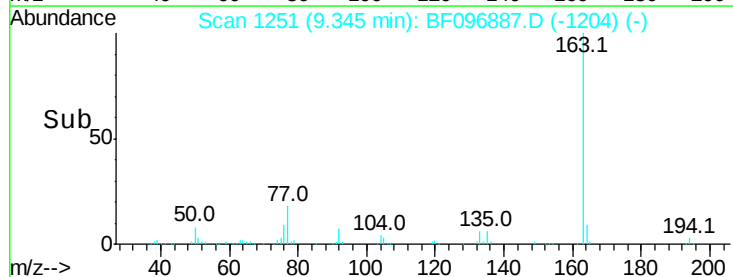
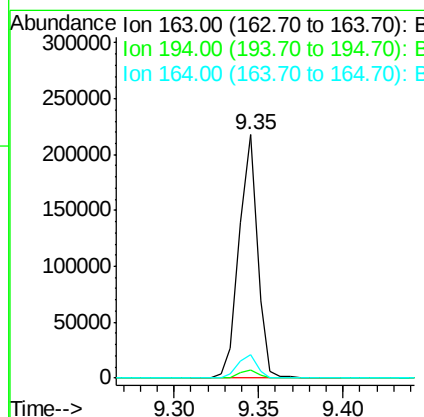
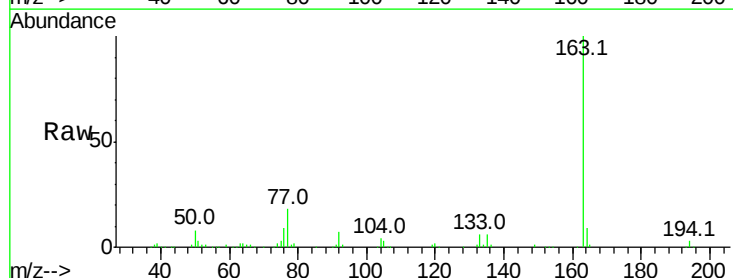
Manual Integrations
APPROVED

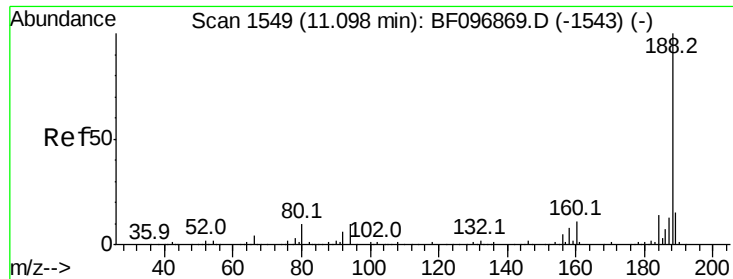
Sohil
7/20/2017 5:09:19 PM



#49
Dimethylphthalate
Concen: 12.284 ng
RT: 9.35 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.6	4.0
164	9.4	8.4	12.6





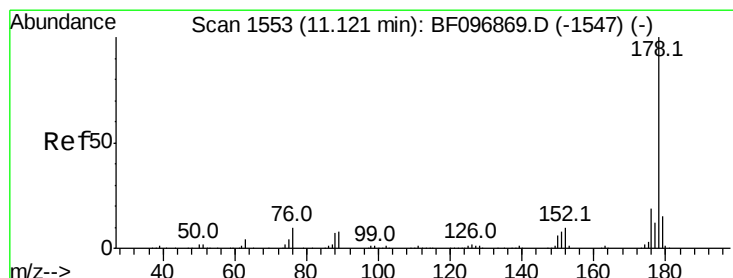
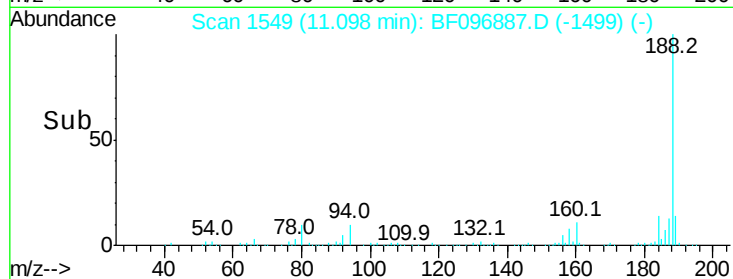
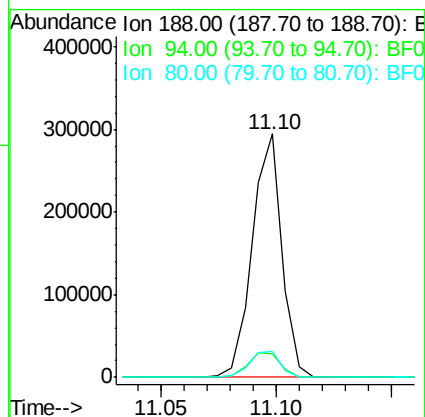
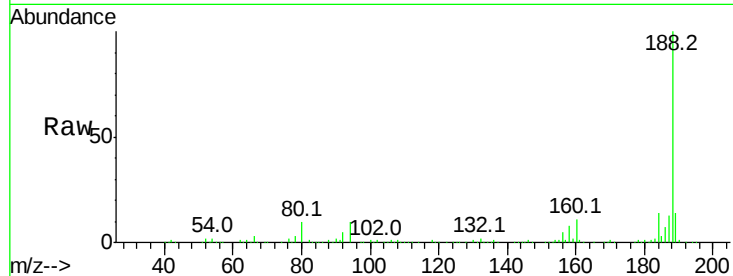
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Tot Ion:	188	Resp:	263690
Ion Ratio	Lower	Upper	
188	100		
94	9.9	9.4	14.2
80	10.5	10.2	15.2

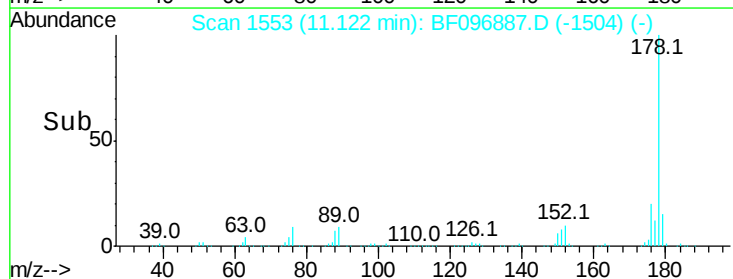
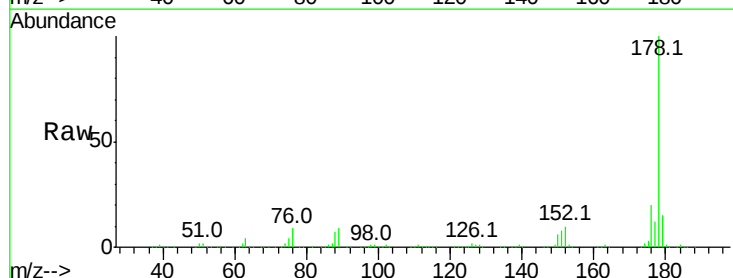
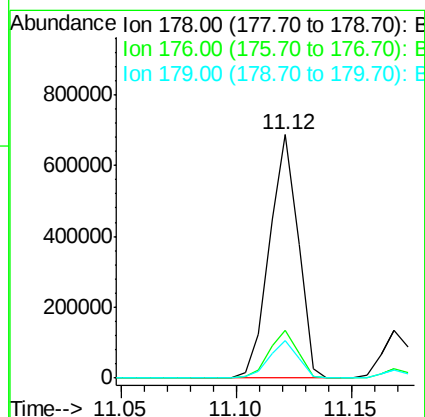
Manual Integrations
APPROVED

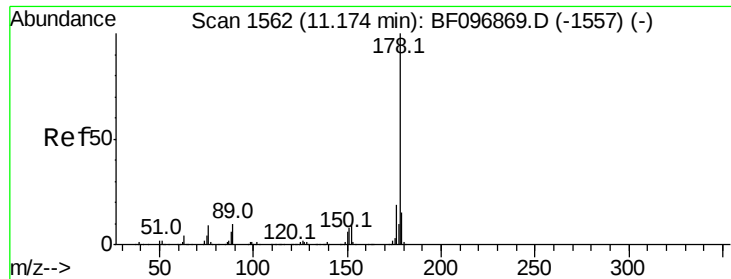
Sohil
7/20/2017 5:09:19 PM



#70
Phenanthrene
Concen: 41.575 ng
RT: 11.12 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion:	178	Resp:	596084
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.2	12.6	19.0





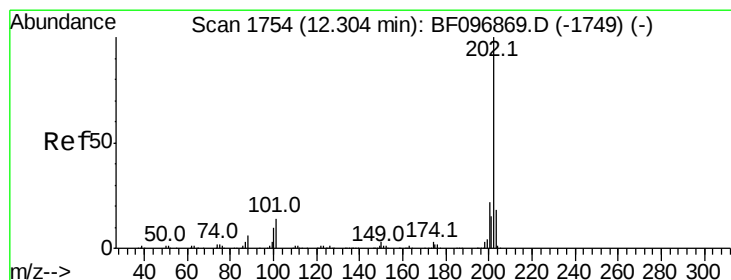
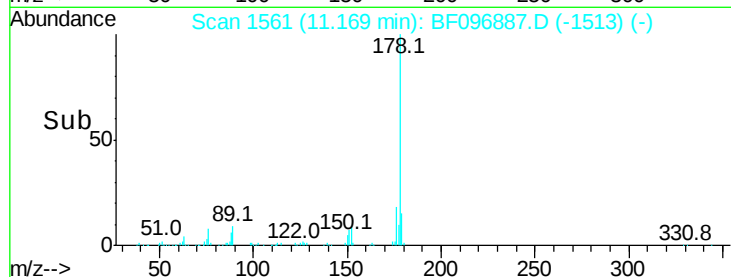
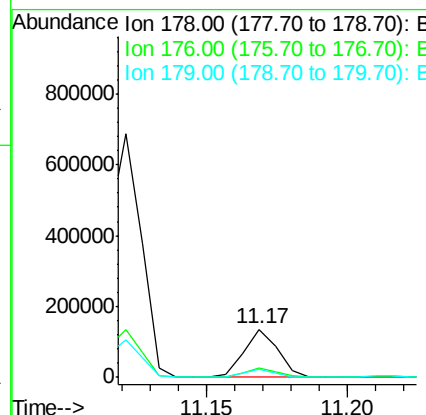
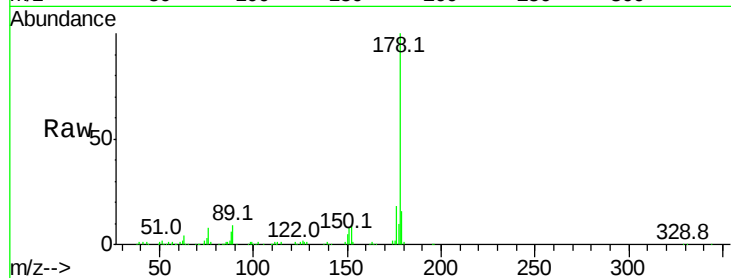
#71
 Anthracene
 Concen: 7.810 ng
 RT: 11.17 min Scan# 1561
 Delta R.T. -0.02 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-COMP-(0-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.5	12.7	19.1

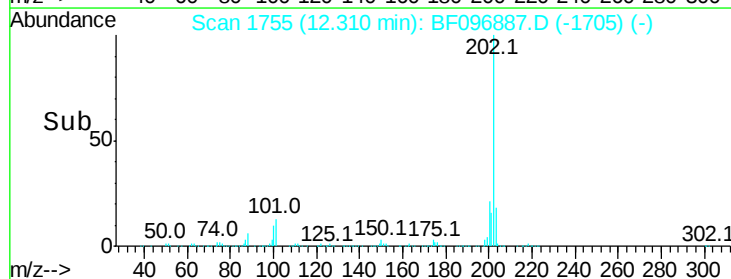
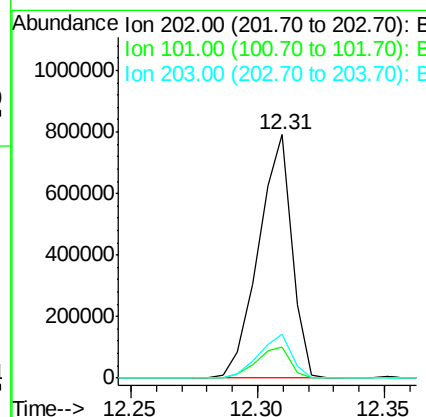
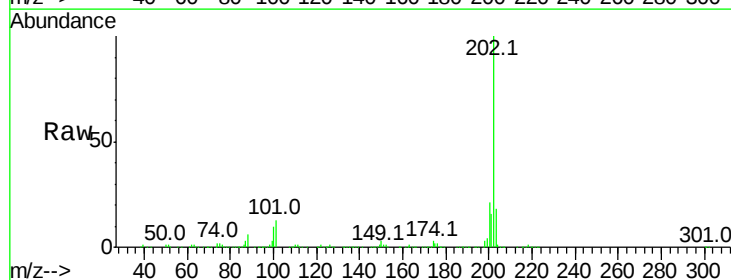
Manual Integrations
 APPROVED

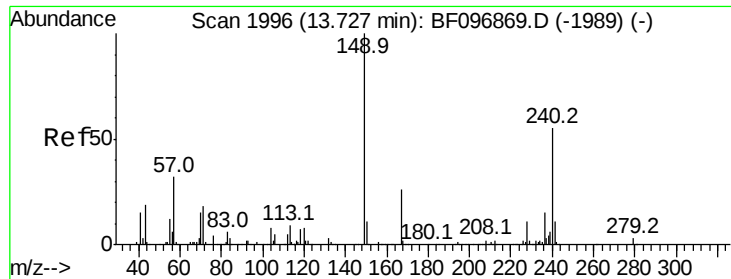
Sohil
 7/20/2017 5:09:19 PM



#74
 Fluoranthene
 Concen: 53.111 ng
 RT: 12.31 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.73 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Instrument :

BNA_F

ClientSampleId :

TP-6-COMP-(0-8)

Tot Ion:240 Resp: 179278

Ion Ratio Lower Upper

240 100

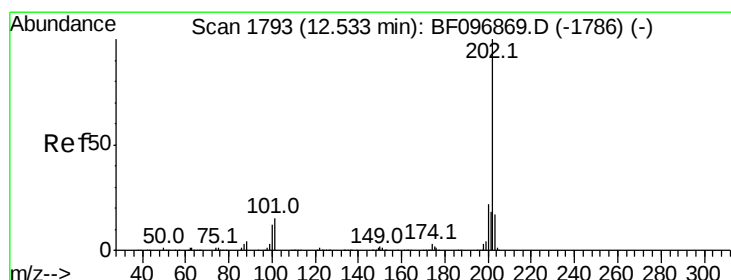
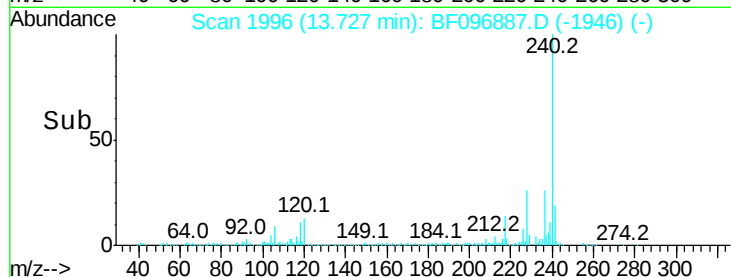
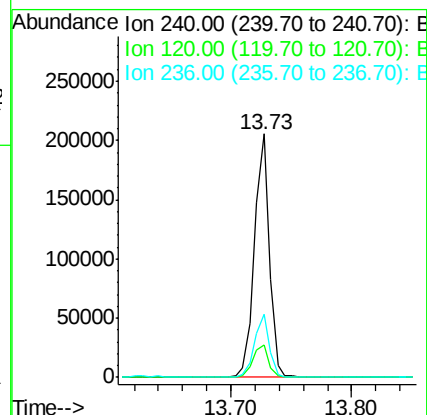
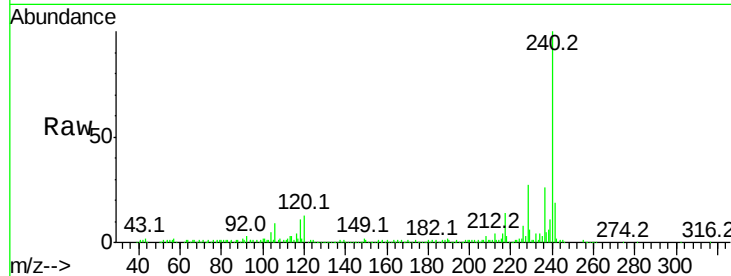
120 13.1 5.8 8.8#

236 25.7 20.5 30.7

Manual Integrations
APPROVED

Sohil

7/20/2017 5:09:19 PM



#77

Pyrene

Concen: 36.852 ng

RT: 12.53 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

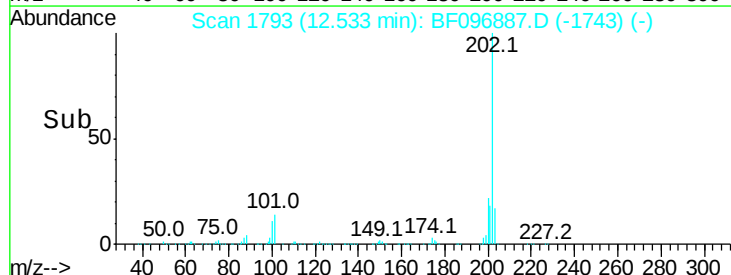
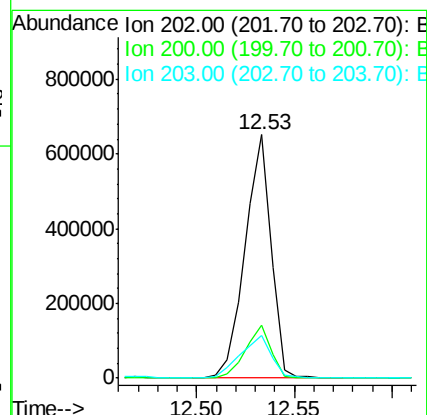
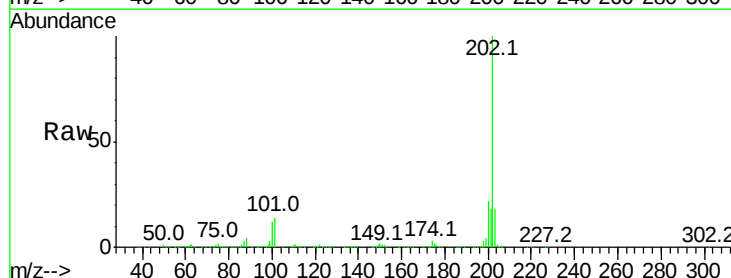
Tgt Ion:202 Resp: 599598

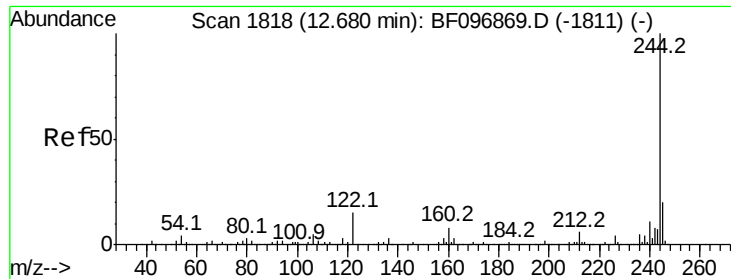
Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

203 17.6 14.4 21.6





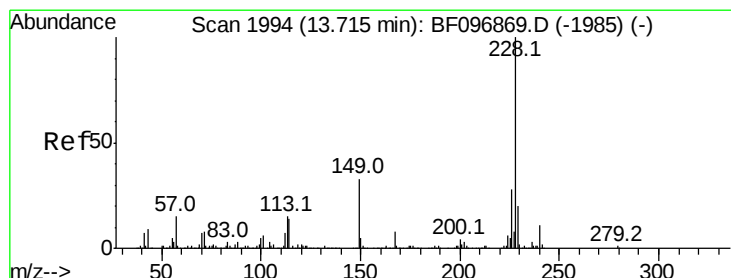
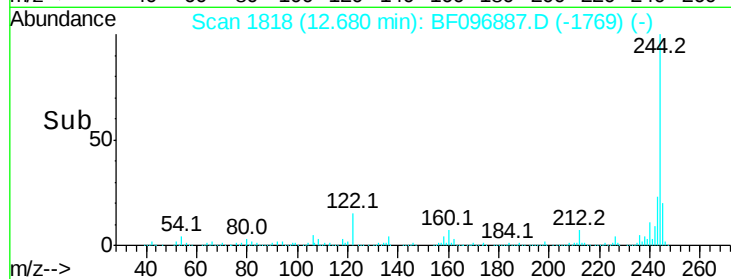
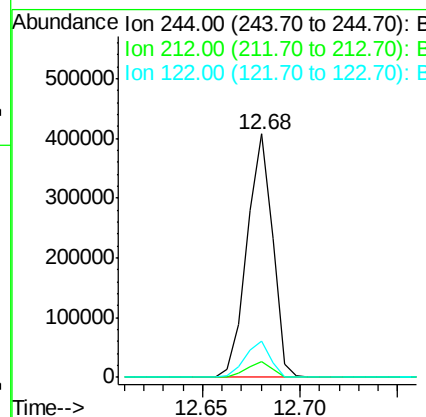
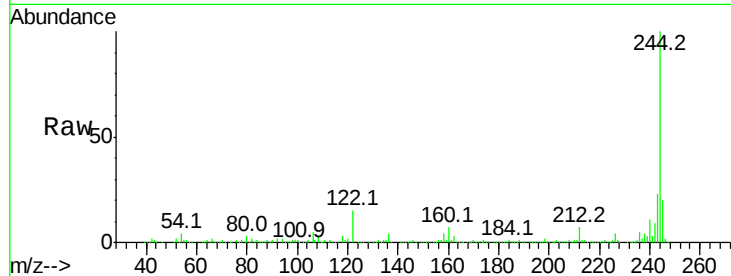
#78
 Terphenyl-d14
 Concen: 35.891 ng
 RT: 12.68 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-6-COMP-(0-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.8	10.3	15.5

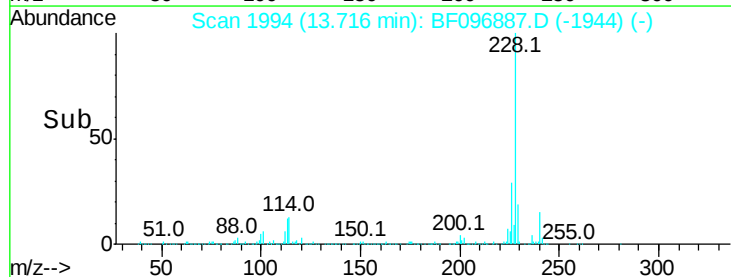
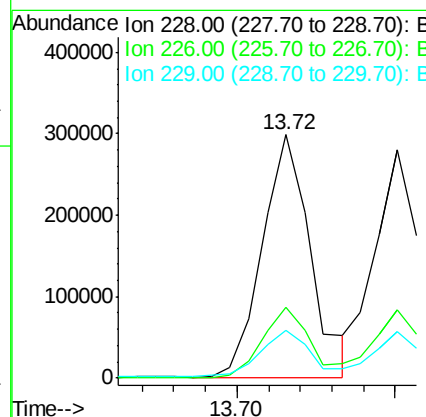
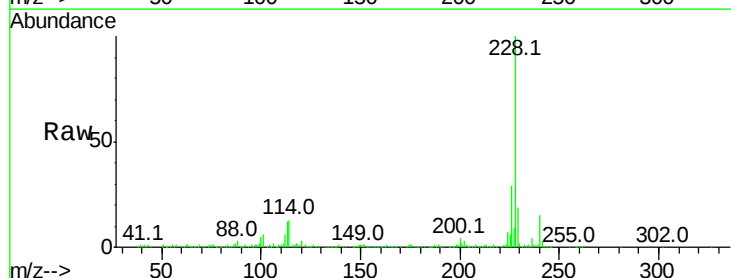
Manual Integrations
 APPROVED

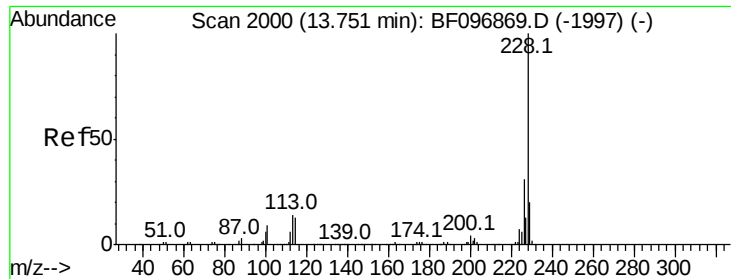
Sohil
 7/20/2017 5:09:19 PM



#80
 Benzo(a)anthracene
 Concen: 28.212 ng
 RT: 13.72 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF096887.D
 Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	19.5	16.3	24.5





#82

Chrysene

Concen: 23.818 ng

RT: 13.75 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Instrument :

BNA_F

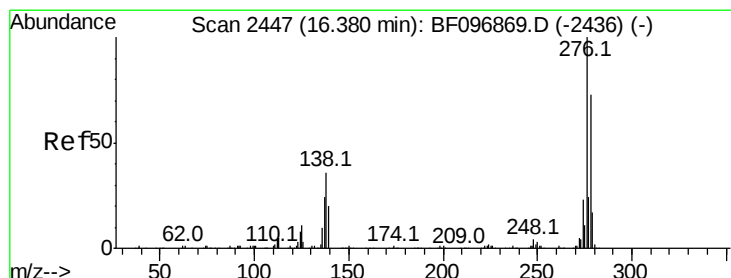
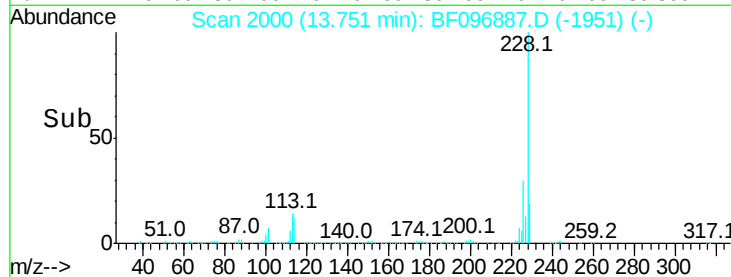
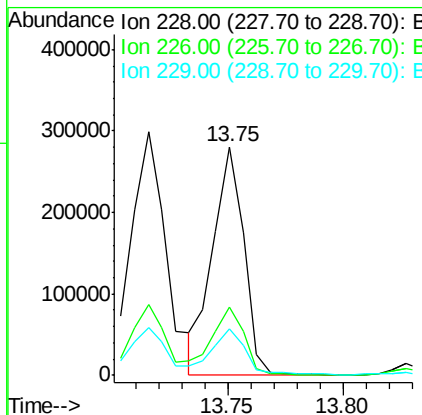
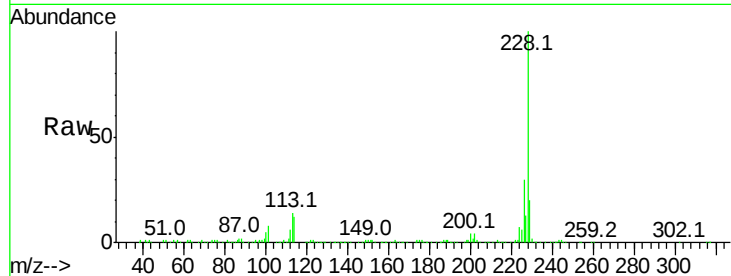
ClientSampleId :

TP-6-COMP-(0-8)

Tot Ion:	228	Resp:	261921
Ion Ratio	Lower	Upper	
228	100		
226	30.1	24.9	37.3
229	20.2	15.8	23.6

Manual Integrations
APPROVED

Sohil
7/20/2017 5:09:19 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.935 ng

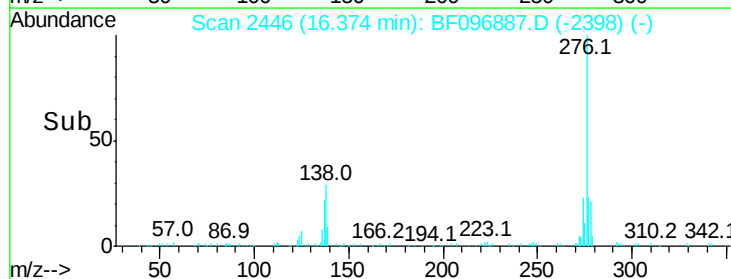
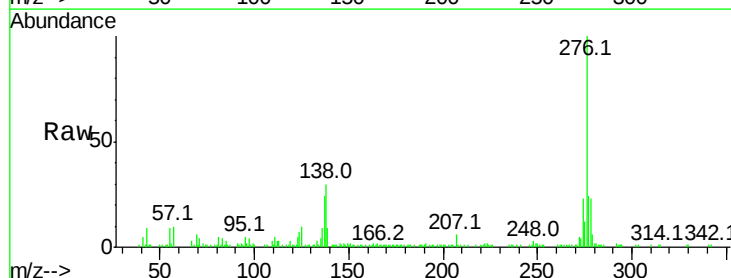
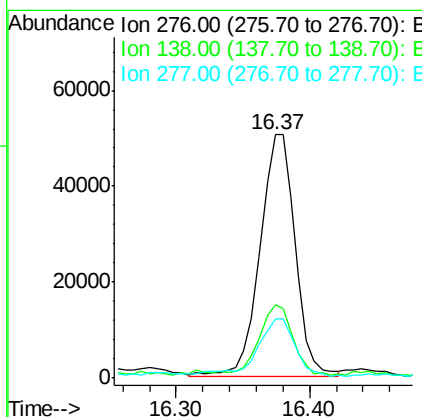
RT: 16.37 min Scan# 2446

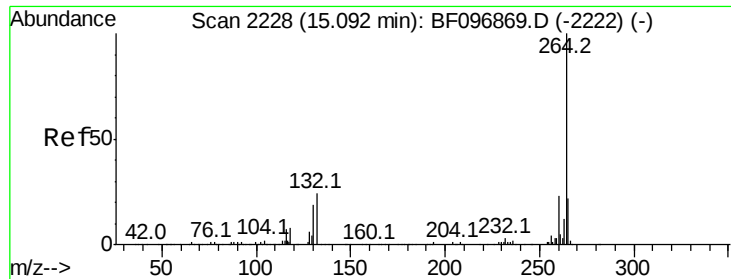
Delta R.T. -0.02 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Tgt Ion:	276	Resp:	92061
Ion Ratio	Lower	Upper	
276	100		
138	28.2	27.8	41.6
277	25.4	20.2	30.4





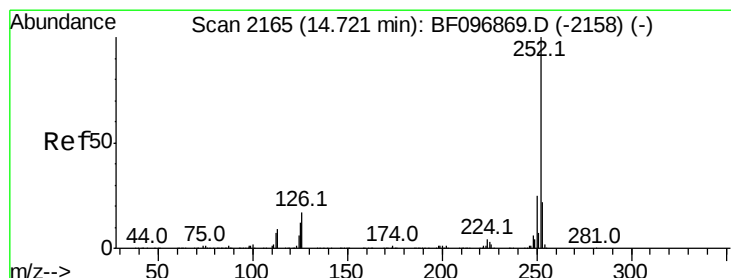
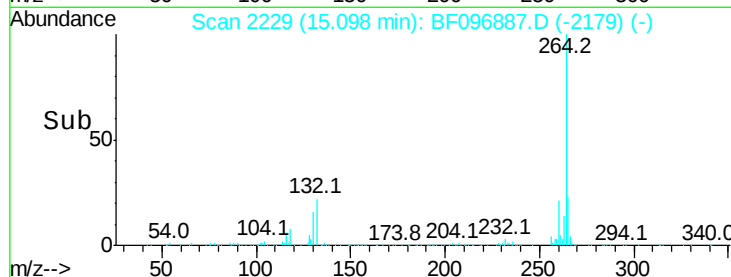
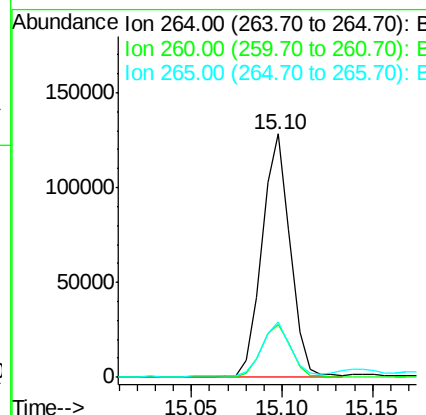
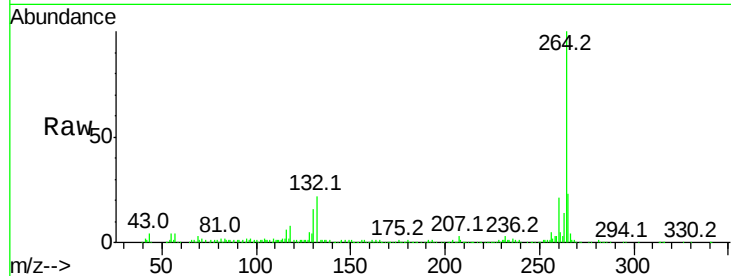
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.10 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampleId :
TP-6-COMP-(0-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.5	19.5	29.3
265	22.9	17.2	25.8

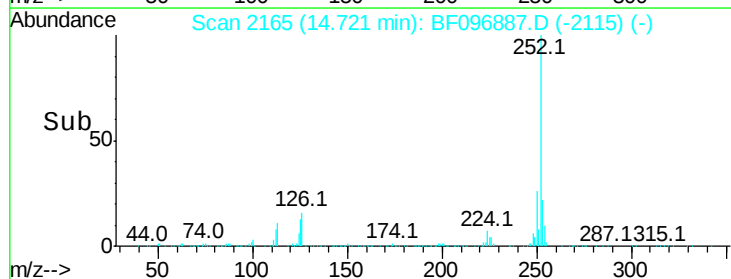
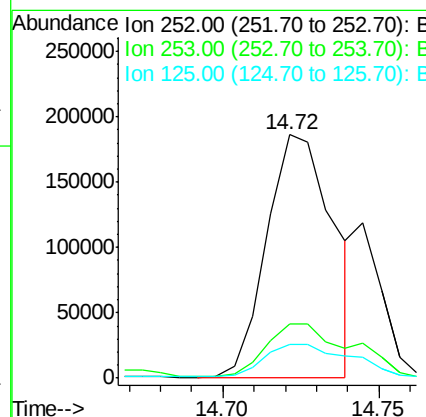
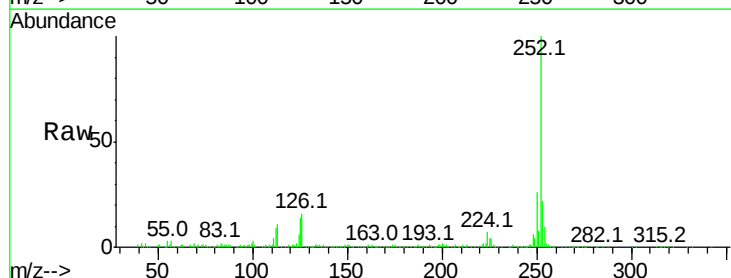
Manual Integrations
APPROVED

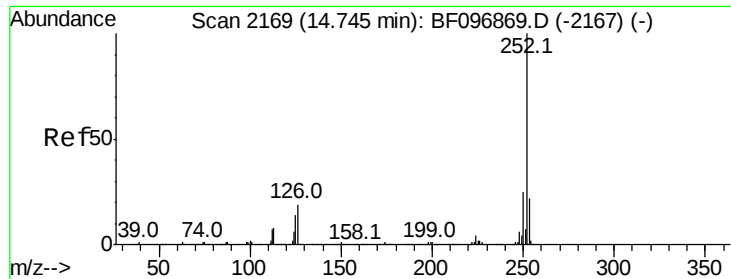
Sohil
7/20/2017 5:09:19 PM



#87
Benzo(b)fluoranthene
Concen: 33.016 ng m
RT: 14.72 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	14.0	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 9.345 ng

RT: 14.74 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Instrument :

BNA_F

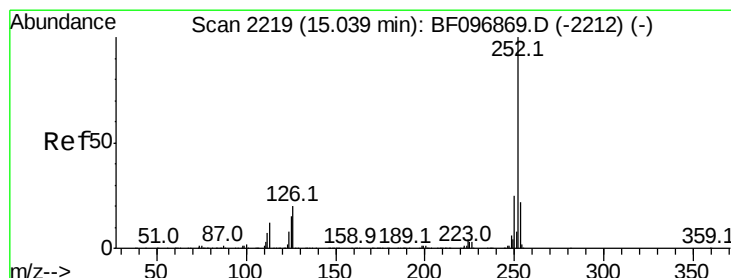
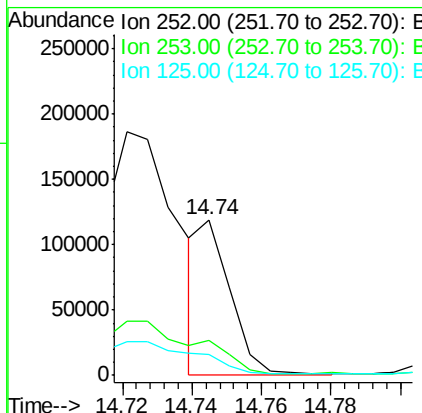
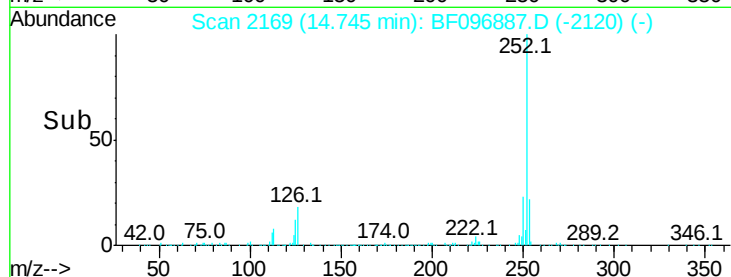
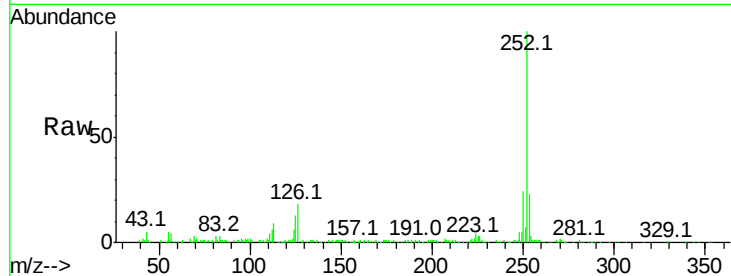
ClientSampleId :

TP-6-COMP-(0-8)

Tot Ion:	252	Resp:	74292
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	13.1	13.1	19.7

Manual Integrations
APPROVED

Sohil
7/20/2017 5:09:19 PM



#89

Benzo(a)pyrene

Concen: 20.926 ng

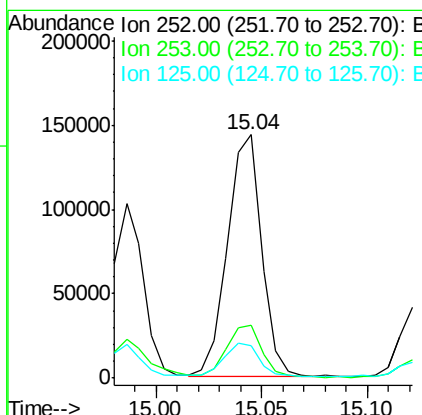
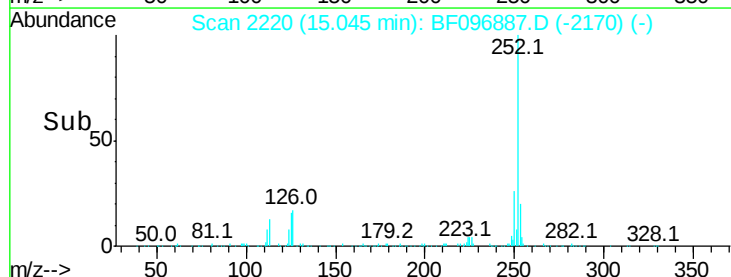
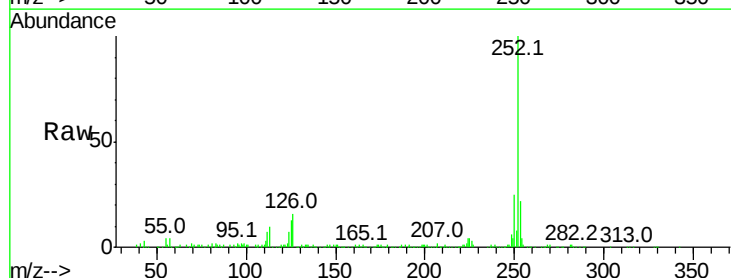
RT: 15.04 min Scan# 2220

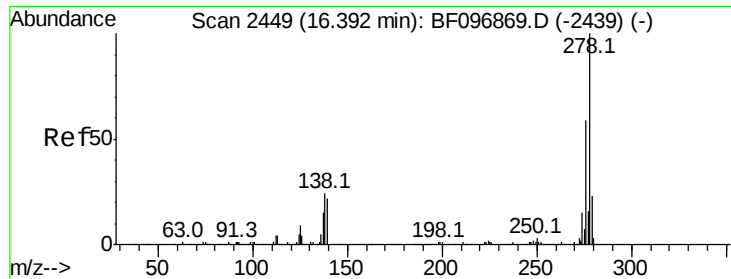
Delta R.T. -0.01 min

Lab File: BF096887.D

Acq: 19 Jul 2017 23:16

Tgt Ion:	252	Resp:	161129
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	13.3	11.0	16.4





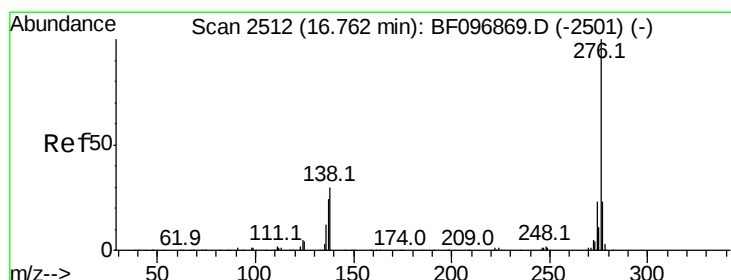
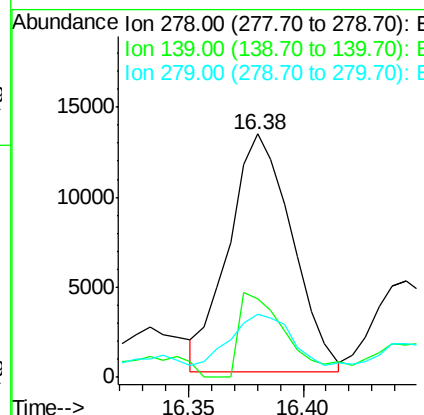
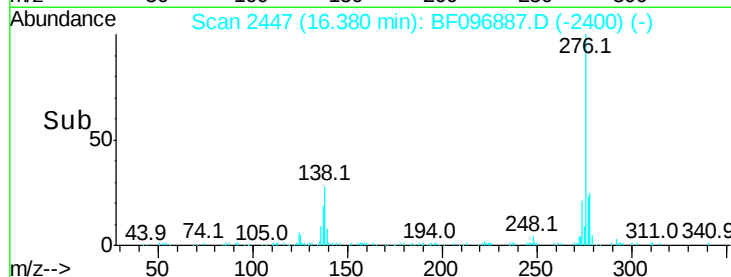
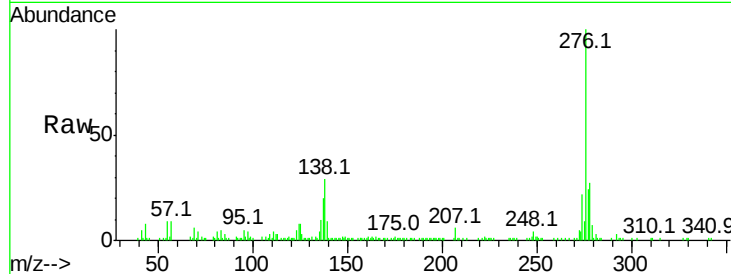
#90
Dibenzo(a,h)anthracene
Concen: 3.565 ng m
RT: 16.38 min Scan# 2447
Delta R.T. -0.02 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Instrument :
BNA_F
ClientSampled :
TP-6-COMP-(0-8)

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.1	16.6	24.8#
279	25.7	19.3	28.9

Manual Integrations
APPROVED

Sohil
7/20/2017 5:09:19 PM



#91
Benzo(g,h,i)perylene
Concen: 10.812 ng
RT: 16.76 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BF096887.D
Acq: 19 Jul 2017 23:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	18.6	28.0
138	30.5	25.4	38.0

